



Project: Alaska Copper Works

Inspection Date: 4/25/19

Project No.: 19ACW1

Technician: Dave Carrico

**System Performance:**

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm) Influent 98.6 Effluent 142 The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 13 Effluent 7 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 12 Effluent 7

Carbon Filter Pressures (Lead) Influent 6 Effluent 4 The carbon filters should be

Carbon Filter Pressures (Lag) Influent 2 Effluent 1 backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	75gals onsite
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	fire ex. expired will replace next week
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



**Water Sampling:**

Were water samples taken? ☒ Yes ☐ No

Raw water:                      pH 6.58                      Turbidity 14.3 NTU

Bag Filter Influent              pH 7.12                      Turbidity 8.9 NTU

Bag Filter Effluent              pH 7.10                      Turbidity 6.3 NTU

Carbon Filter Influent              pH 6.89                      Turbidity 4.5 NTU

Carbon Filter Effluent              pH 6.88                      Turbidity 3.2 NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☒ Yes ☐ No

**Sludge Depth (inches):**

Decant Tank:                      2"

Treatment tank:                      1"

Backflush tank:                      1"

Main lift station:                      0"

North lift station:                      0"

South lift station:                      1"

**Additional Comments, Recommendations and System Upsets:**

David Carrico

Technician

Field Tech

Title

4/25/19

Date

**Submit**